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ABSTRACT

With this publication, the Tennessee Higher Education Commission presents its third study of instructional costs in the public colleges and universities in Tennessee. The basic unit of measurement used in the commisssion's instructional cost study is the student credit hour. Professional salaries, support salaries, operating expenses, and equipment charges are allocated to the student credit hour so as to yield costs per hour by: (1) academic program, (2) course level, and (3) institution. Section 1 of this report analyzes costs per student hour for the fall term of 1973. Section 2 compares costs for the fall terms of 1971 and 1973. Section 3 contains detailed cost tables. Appendix A contains a description of data collected and procedures utilized in calculating costs. (Author/KE)

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AN ANALYSIS OF INSTRUCTIONAL COSTS PER STUDENT CREDIT HOUR FALL QUARTER 1973 FOR PUBLIC HIGHER EDUCATION INSTITUTIONS IN TENNESSEE

A Report of the

TENNESSEE HIGHER EDUCATION COMMISSION
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March 1975

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FOREWORD

With this publication the Tennessee Higher Education Commission presents its third study of instructional costs in the public colleges and universities in Tennessee. This major effort is undertaken in the fall quarter of each odd-numbered year. The resultant cost findings are an integral part of the budgetary process for higher education in Tennessee.

The job of making a cost study has been easier each time we have undertaken it. This is due largely to the increasing familiarity of our staff with the process, the improvement and growing sophistication of the data processing programs which underride the study, and the greater competency of campus personnel who have benefitted from the repetition of the study.

The Commission wishes to express its sincere appreciation to the dedicated efforts of the campus representatives who performed so effectively in collecting and submitting the data for the third cost study. Without their assistance and cooperative attitude the work would have foundered. To each of them--and there are too many to list individually--we say a special thanks.

On our staff, special recognition is due Brenda Albright, Assistant Director for Research and Information Services, who supervised the study team and authored this analysis. She was ably assisted by John Hastie, Sandy Allard, Robert Porter, Wiley Lynch, Jim Spillman, and Ken Barber of the THEC staff whose considerable collective talents turned out the final product.

The Higher Education Commission is anxious to share this report as well as the methodology for the study with interested individuals or institutions. A written request is all that is required for additional explanatory information.

Jack C. Blanton
Associate Director
for Fiscal Affairs

TABLE OF CONTENTS

	Page
Foreword	i
List of Tables	iii
Introduction	1
Section I Fall Quarter 1973 Cost Study	3
Section II Comparison of 1971 and 1973 Cost Studies	12
Section III Detailed Tables	16
Appendix A Reporting and Computational Procedures	35

LIST OF TABLES

		Pages
Tables 1-5	Total Instructional Cost Per Student Credit Hour, Fall 1973 by Level	17-23
Tables 6-10	Student Credit Hour Produced, Fall 1973 by Level	24-30
Table 11	Comparision of 1971 and 1973 Cost Per Student Credit Hour by Level and Institution	31
Table 12	Comparison of 1971 and 1973 Cost Per Student Credit Hour by Level and Academic Area	32
Table 13	Comparison of 1971 and 1973 Student Credit Hours by Level and Institution	33
Table 14	Comparison of 1971 and 1973 Student Credit Hours by Level and Academic Area	34

INTRODUCTION

The Tennessee Higher Education Commission, which was created by the 1967 Tennessee Legislature, has responsibility for studying the use of public funds in higher education, for developing policies and formulae utilized in the fair and equitable distribution of these funds, and for approving academic programs in view of their costs.

The appropriations formulae used by the Tennessee Higher Education Commission to generate annual operating budget requests for the colleges and universities are dependent on a detailed study of instruction and departmental research costs. This publication contains the results of the cost study made in the fall of 1973.

The basic unit of measurement that comes under scrutiny in the Commission's "instructional cost study" is the student credit hour. Professional salaries, support salaries, operating expenses, and equipment charges are allocated to the student credit hour so as to yield costs per hour by: (1) academic program, (2) course level, and (3) institution.

From cost data collected at the various institutions, statewide average costs by student credit hour by program and by level are computed and used in the budgetary process to request instruction and departmental research monies which now comprise 54 percent of the operating budget for educational expenditures in the public institutions in Tennessee. The cost per student credit hour is used additionally to identify high cost academic programs, and can thus be used in the internal management of the institutions.

The first cost study was made in the fall of the 1969-70 school year and the second in the fall of 1971-72 with the results published afterward. The third cost study made in the fall of the 1973-74 school year is contained in this publication and includes comparative data between the second and third studies.

It is the intention of the Commission to undertake a cost study in the fall term of every odd-numbered year. As the cost study figures are updated they will be incorporated into the THEC budget formulae.

Section I of this report analyzes costs per student credit hour for the fall term of 1973. Section II compares costs for the fall terms of 1971 and 1973. Section III contains detailed cost tables. Appendix A contains a description of data collected and procedures utilized in calculating costs.

SECTION I

FALL QUARTER 1973 COST STUDY

General Procedures

All of the unrestricted expenditures in Instruction and Departmental Research were allocated to the student credit hours which were produced at each institution. Average costs per student credit hour were calculated by academic area and by course level (freshman-sophomore, junior-senior, master's level, professional law level, and doctoral level) for each institution as well as for all institutions in the State. Each institution classified student credit hours by using standardized academic areas as defined by the U. S. Office of Education, and standardized course levels defined by the Tennessee Higher Education Commission. For example, all of the salaries, equipment, supplies and other expenditures of the mathematics department at each institution were allocated to the student credit hours produced in the mathematics department at that institution by course level; this allocation procedure produced an average cost per student credit hour for freshman-sophomore math, junior-senior math, master's level math, and doctoral level math for each institution. From this data statewide average costs per student credit hour were then calculated.

The following institutions were included in the study:

Institution	Location	Institutional Abbreviation
Austin Peay State University	Clarksville	APSU
East Tennessee State University	Johnson City	ETSU
Memphis State University	Memphis	MSU

Institution	Location	Institutional Abbreviation
Middle Tennessee State University	Murfreesboro	MTSU
Tennessee State University	Nashville	TSU
Tennessee Technological University	Cookeville	TTU
University of Tennessee at Chattanooga	Chattanooga	UT Chatt.
University of Tennessee at Knoxville	Knoxville	UT Knox.
University of Tennessee at Martin	Martin	UT Martin
University of Tennessee at Nashville	Nashville	UT Nash.
Chattanooga State Technical Community College	Chattanooga	Chat.
Cleveland State Community College	Cleveland	Cleve.
Columbia State Community College	Columbia	Col.
Dyersburg State Community College	Dyersburg	Dyers.
Jackson State Community College	Jackson	Jack.
Motlow State Community College	Tullahoma	Motlow
Roane State Community College	Rockwood-Harriman	Roane
Shelby State Community College	Memphis	Shelby
Volunteer State Community College	Gallatin	Vol.
Walters State Community College	Morristown	Walters

The UT Center for Health Sciences is not included in the study.

All of the above institutions submitted data in the following manner.

Personnel: Information was submitted for all professional personnel employed in the Instruction and Departmental Research function--deans, departmental chairmen, faculty, counselors, and technical personnel.

Classes: Information was submitted for each class which was taught for the fall term.

Clerical Personnel: Information was supplied on the basis of expenditures by department.

Equipment and Supplies: Information was supplied on the basis of expenditures by department.

Analysis of Fall Quarter 1973 Costs

Tennessee public higher education institutions produced more than 1,300,000 student credit hours for the fall term of 1973. The average cost of producing one student credit hour (quarter basis) was $21.54. This total cost may be divided into the following expenditure categories:

Faculty Salaries	$16.83
Clerical Salaries	1.71
Equipment and Supplies	3.00

Seventy-eight percent of the instructional cost was for faculty salaries, 14 percent for equipment and supplies, and 8 percent for clerical salaries.

Cost By Level. There was considerable variation in cost by course level:

Freshman-sophomore cost per student credit hour $15.49
Junior-senior cost per student credit hour $23.87
Master's level cost per student credit hour $61.39
Professional law level cost per student credit hour $21.22
Doctoral level cost per student credit hour $134.78

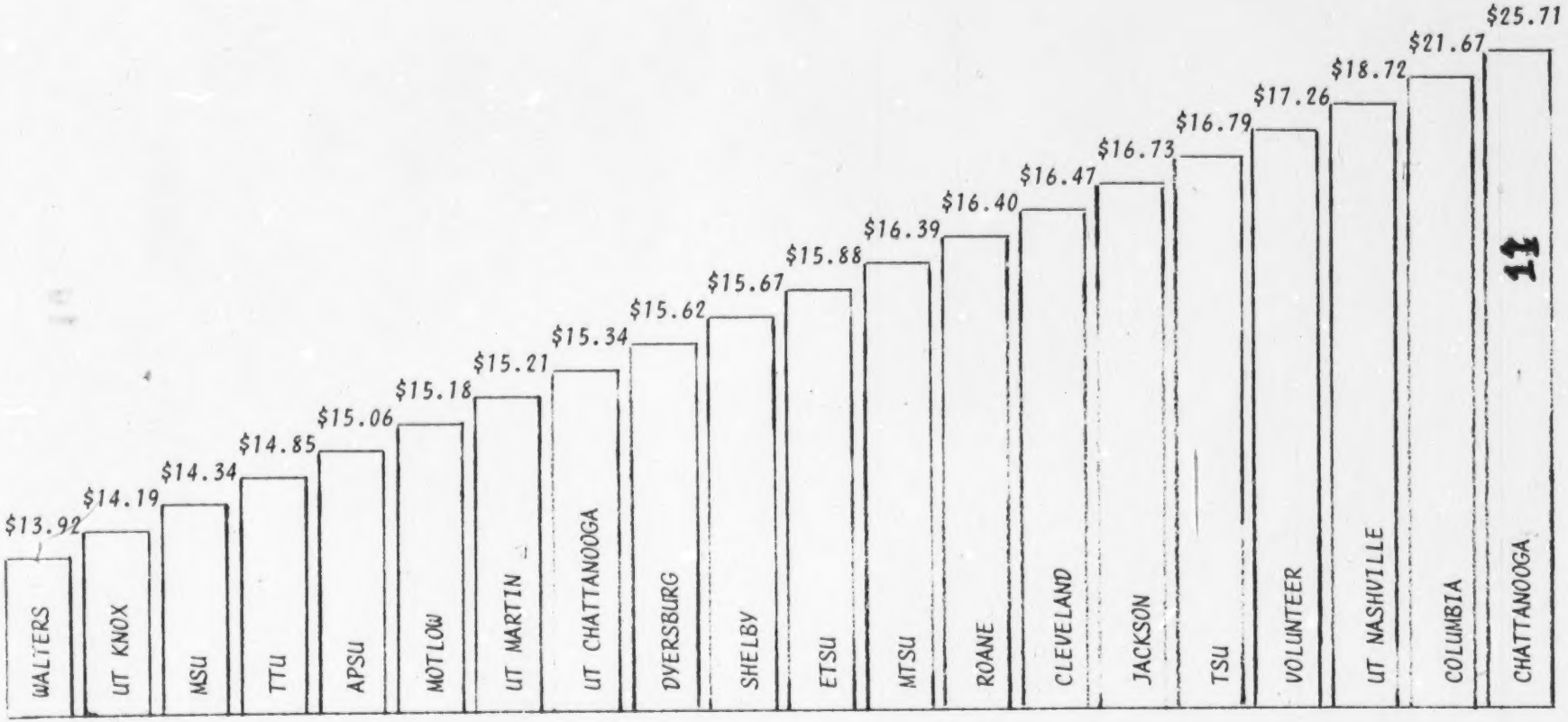
The average cost per junior-senior level credit hour was about 50 percent greater than the average freshman-sophomore level student credit hour while the master's level student credit hour was almost four times more expensive and the average doctoral level student credit hour was almost nine times more expensive. Two factors which contribute to these variances in cost by level are:

1. Differences in class size. The higher level courses tend to have lower enrollments which result in higher costs per student credit hour.

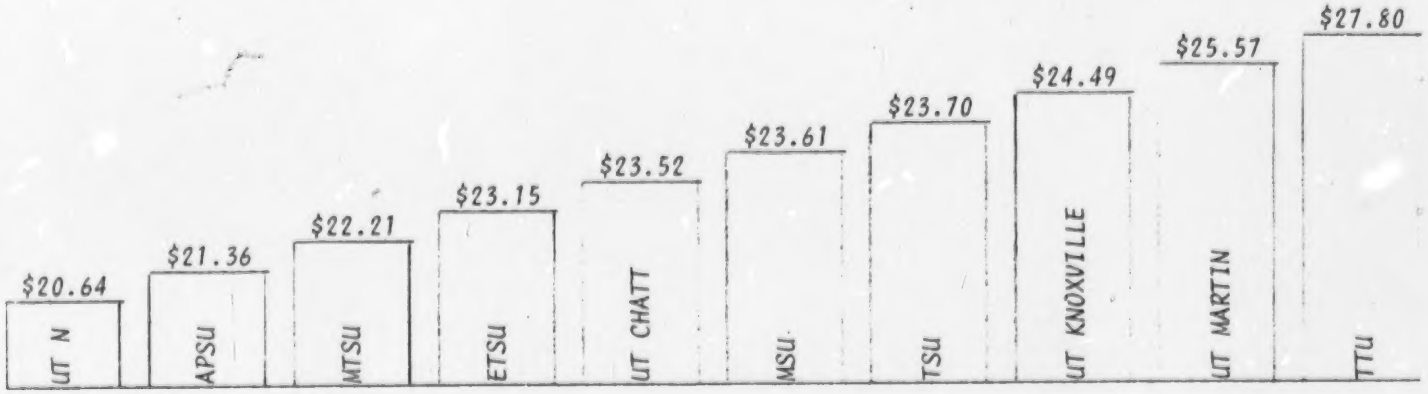
2. Specialized instruction. The higher level courses tend to require more specilized personnel and equipment which contribute to higher costs per student credit hour.

10

Variations in Cost by Institution and Level. Average costs per freshman-sophomore student credit hour ranged from $13.92 to $25.71 as follows:



AVERAGE COSTS PER JUNIOR-SENIOR STUDENT CREDIT HOUR RANGED FROM $20.64 TO $27.80 AS FOLLOWS:



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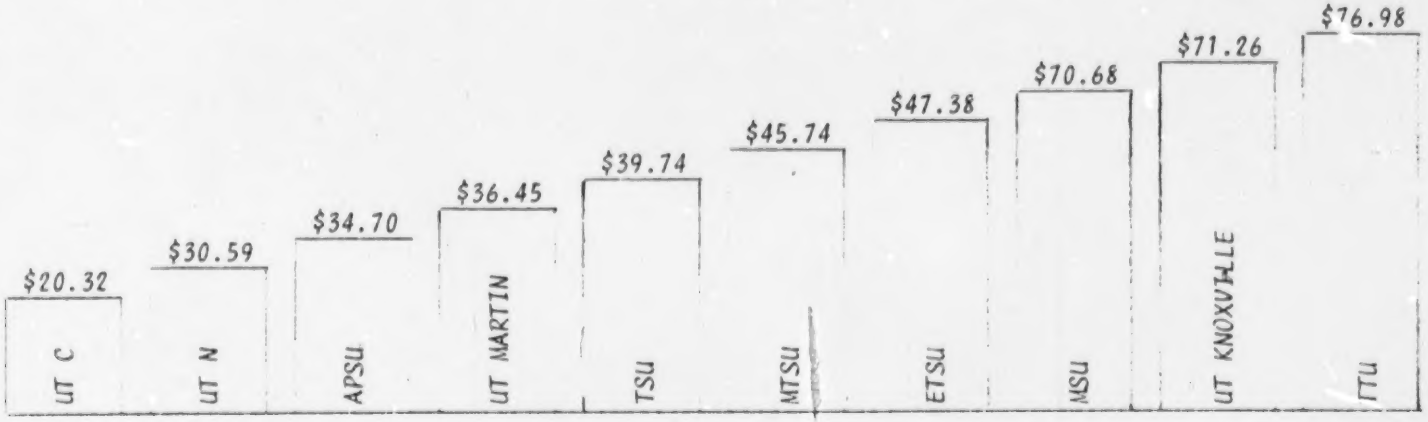
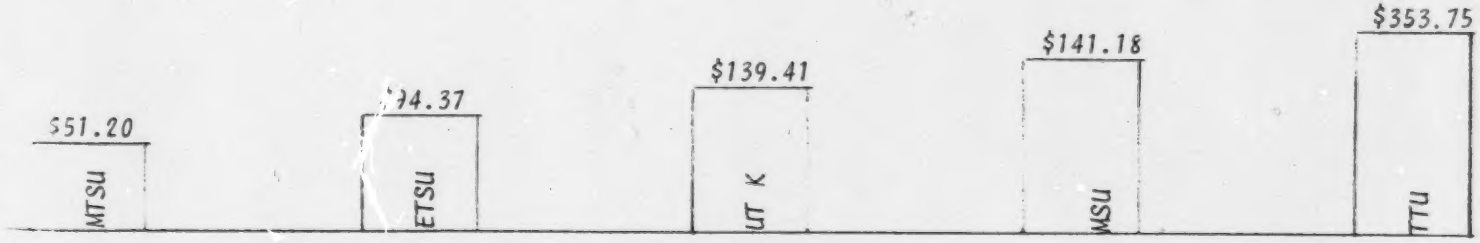
AVERAGE COSTS PER MASTER'S LEVEL STUDENT CREDIT HOUR RANGED FROM $20.32 TO $76.98 AS FOLLOWS:



AVERAGE COSTS PER DOCTORAL LEVEL STUDENT CREDIT HOUR RANGED FROM $51.20 TO $353.75 AS FOLLOWS:



13

Some of the factors which account for these differences among institutions in cost per student credit hour are:

1. Differences in academic offerings. Institutions that offer a large number of programs in the scientific areas tend to have higher costs. For example, at the doctoral level Tennessee Tech, UT Knoxville, and Memphis State have higher costs because of the science-related programs which they offer.

2. Differences in utilization of personnel. Institutions utilizing low-cost teaching personnel, e.g., graduate assistants or large numbers of part-time personnel, tend to have lower costs in areas where these individuals teach.

3. Differences in instructional media. Institutions utilizing low-cost media, such as instructional television in some program areas tend to have lower costs per student credit hour in these areas.

Variations in Cost by Academic Area

The average costs per student credit hour varied considerably among the various academic areas. In general, the science areas were considerably more expensive than the liberal arts areas. At the freshman-sophomore level the two-year terminal technology programs also were more expensive than other areas. Statewide average costs per freshman-sophomore student credit hour by selected academic areas are as follows:

Agriculture		$19.20
Architecture		20.97
Biological Sciences		13.97
Business & Management		12.94
Education		17.67
Engineering		30.41
Fine and Applied Arts		22.52
Foreign Languages		19.10
Home Economics		15.94
Industrial Arts and Technology		28.23
Letters		13.03
Mathematics		12.93
Physical Sciences		18.86
Psychology		8.73
Public Affairs & Services		8.51
Social Sciences		11.01
Interdisciplinary Studies		13.46
Business & Commerce Technology		15.13
Data Processing Technology		55.49
Health Services & Paramedical Technology	(2-year)	44.25
Mechanical & Engineering Technology	(programs)	32.00
Natural Science Technology		36.04

The highest costs per junior-senior student credit hour are in Engineering ($48), Foreign Languages ($40), Architecture ($42), Industrial Arts and Technology ($39), Health Professions ($33),

Physical Sciences ($32), and Fine and Applied Arts ($38). The lowest costs per student credit hour are in the areas of Public Affairs & Services ($11), Psychology ($15), Business and Management ($17), and Social Sciences ($18).

The highest costs per student credit hour at the master's are are in Physical Sciences ($134), Engineering ($129), Foreign Languages ($103), and Architecture ($99). The lowest costs per student credit hour are in Education ($37) and Phychology ($45).

The average cost per student credit hour professional law is $21.22. This low cost per student credit hour may be attributed largely to significant increases in law enrollments.

The highest costs per student credit hour at the doctoral level are in Physical Sciences ($280), Health Professions ($249), Engineering ($227), and Mathematics ($211). The lowest costs per student credit hour are in Phychology ($65), Letters ($93), and Education ($93).

Detailed costs by institution, academic area, and course level can be found in Section III.

Analysis of Fall Quarter 1973 Student Credit Hours

Student Credit Hours by Level. Almost two-thirds (65 percent) of all student credit hours were produced at the freshman-sophomore level, 27 percent were produced at the junior-senior level, and 9 percent were produced at the graduate level. Student credit hour production by level is as follows:

Level	Student Credit Hours	Percent
Freshman-sophomore level	849,479	65%
Junior-senior level	355,181	27%
Master's level	82,938	6%
Professional law level	18,227	1%
Doctoral level	8,862	1%

Student Credit Hours by Taxonomy. More than 50 percent of all student credit hours were reported in four academic areas--education, social sciences, letters, and business. More than 80 percent of all student credit hours were produced in the following nine academic areas:

Area	Student Credit Hours	Percent
Education	178,470	14
Social Sciences	176,317	13
Letters	166,388	13
Business and Management	157,341	12
Biological Sciences	92,911	7
Physical Sciences	86,605	7
Mathematics	81,724	6
Psychology	70,789	5
Fine and Applied Arts	64,850	5

Student credit hours reported by institution, academic area, and course level can be found in Section III.

SECTION II

COMPARISON OF 1971 AND 1973 COST STUDIES

The average cost per student credit hour increased from $18.38 to $21.54 or 17 percent from fall 1971 to 1973. Much of this increase in cost can be attributed to increases in student credit hour production at the graduate-professional level and to increases in student credit hours in expensive academic programs.

Variation in Cost by Level and Institution 1971 to 1973

The average cost per freshman-sophomore student credit hour increased by $1.96 from 1971 to 1973 (from $13.53 to $15.49). This represents a 14 percent increase in cost. The numeric and percentage increases by institution are as follows:

Institution	1971	1973	Numeric Increase	% Increase
APSU	$12.55	$15.06	$2.51	20
ETSU	13.94	15.88	1.94	14
MSU	13.93	14.34	0.41	3
MTSU	14.48	16.39	1.91	13
TSU	12.41	16.79	4.38	35
TTU	11.86	14.85	2.99	25
UT Chatt.	14.85	15.34	0.49	3
UT Knoxville	12.75	14.19	1.44	11
UT Martin	14.82	15.21	0.39	3
UT Nashville	13.49	18.72	5.23	39

(Cont.) Institution	1971	1973	Numeric Increase	% Increase
Chattanooga	--	$25.71	--	--
Cleveland	$12.64	16.47	3.83	30
Columbia	15.67	21.67	6.00	38
Dyersburg	13.44	15.62	2.18	16
Jackson	15.51	16.73	1.22	8
Motlow	12.98	15.18	2.20	17
Roane	17.54	16.40	(-1.14)	-6
Shelby	--	15.67	--	--
Volunteer	13.75	17.26	3.51	26
Walters	11.18	13.92	2.74	25
Total All Institutions	13.53	15.49	1.96	14

The average cost per junior-senior student credit hour increased by $2.85 from 1971 to 1973 (from $21.02 to $23.87). This increase of 14 percent was the same as the percentage increase experienced at the freshman-sophomore level. The numeric and percentage increases by institution are as follows:

Institution	1971	1973	Numeric Increase	% Increase
APSU	$17.97	$21.36	$3.39	19
ETSU	21.46	23.15	1.69	8
MSU	22.61	23.61	1.00	4
MTSU	18.00	22.21	4.21	23
TSU	20.02	23.70	3.68	18
TTU	22.13	27.80	5.67	26
UT Chatt.	24.11	23.52	(-0.59)	-2
UT Knoxville	21.69	24.49	2.80	13
UT Martin	19.85	25.57	5.72	29
UT Nashville	18.27	20.64	2.37	13
Total Universities	21.02	23.87	2.85	14

The average cost per master's level student credit hour increased by $9.03 from 1971 to 1973 (from $52.36 to $61.39). This represents a 17 percent increase. The numeric and percentage increases by institution are as follows:

Institution	1971	1973	Numeric Increase	% Increase
APSU	$43.07	$34.70	$(-8.37)	-19
ETSU	40.73	47.38	6.65	16
MSU	55.98	70.68	14.70	26
MTSU	28.92	45.74	16.82	58
TSU	41.38	39.74	(-1.64)	- 4
TTU	71.63	76.98	5.35	7
UT Chatt.	24.17	20.32	(-3.85)	-16
UT Knoxville	60.20	71.26	11.06	18
UT Martin	30.87	36.45	5.58	18
UT Nashville	25.35	30.59	5.24	21
Total Universities	52.36	61.39	9.03	17

The average cost of professional law level increased by $6.06 from $15.16 in 1971 to $21.22 in 1973. This represents an increase of 40 percent.

The average cost per doctoral level student credit hour increased by $16.62 from $118.16 in 1971 to $134.78 in 1973. This 14 percent increase by institution is as follows:

Institution	1971	1973	Numeric Increase	% Increase
ETSU	$59.71	$94.37	$34.66	58
MSU	112.96	141.18	28.22	25
MTSU	51.40	51.20	(-0.20)	--
TTU	--	353.75	--	--
UT Knoxville	123.72	139.41	15.69	13
Total Universities	118.16	134.78	16.62	14

Cost Variations by Academic Area 1971 to 1973

The largest increases in cost per student credit hour from 1971 to 1973 were in Computer Sciences, Fine Arts, Social Sciences, Health Services Technology, and Natural Science Technology.

Increases in student credit hour production by level were as follows:

	1971 SCH	1973 SCH	Numeric Increase	% Increase
Freshman-Sophomore Level	821,958	849,479	27,521	3
Junior-Senior Level	333,201	355,181	21,980	7
Master's Level	67,544	82,938	15,394	23
Professional Law Level	14,869	18,227	3,358	23
Doctoral Level	7,524	8,862	1,338	18

The largest increase in student credit hour production were in Biological Sciences, Business, Education, Fine Arts, Psychology, Engineering Technology, and Public Service Technology. A comparison of costs per student credit hour and credit hours produced for 1971 and 1973 by course level and academic areas may be found in Section III.

SECTION III

DETAILED TABLES

Tables 1-5 show total instructional cost per student credit hour for fall 1973 by course level, academic area, and institution.

Tables 6-10 show student credit hour production for fall 1973 by course level, academic area, and institution.

Table 11 is a comparison of cost per student credit hour for 1971 and 1973 by level and institution.

Table 12 is a comparison of cost per student credit hour for 1971 and 1973 by level and academic area.

Table 13 is a comparison of student credit hours for 1971 and 1973 by level and institution.

Table 14 is a comparison of cost per student credit hour for 1971 and 1973 by level and academic area.

TABLE 1

TOTAL INSTRUCTIONAL COST PER STUDENT CREDIT HOUR
LEVEL 1 LOWER LEVEL

TAXONOMY	APSU	ETSU	MSU	MTSU	TSU	TTU	UT CHATT	UT KNOX.	UT MARTIN	UT NASH.	TOTAL
AGRICULTURE	17.57			11.17	41.28	22.19		18.16	20.74		19.20
ARCHITECTURE								20.97			20.97
AREA STUDIES								108.26			108.26
BIOLOGICAL SCIENCES	13.47	12.56	9.63	14.65	15.18	10.52	16.76	17.95	11.47	14.43	13.88
BUSINESS & MANAGEMENT	14.53	16.06	11.94	20.62	10.91	14.87	12.95	11.76	13.57	12.99	13.40
COMMUNICATIONS	23.15	15.47	19.82	40.04				22.36	12.95	15.15	22.61
COMPUTER SCIENCES		23.06	35.78	112.50	27.34	16.95	8.17	13.17	15.88	26.37	17.85
EDUCATION	14.01	16.49	20.22	16.54	19.97	15.44	17.06	13.73	23.25	20.35	17.08
ENGINEERING	26.64	29.59	26.46	46.98	51.53	29.27	31.64	28.67	37.22	35.09	30.41
FINE AND APPLIED ARTS	24.55	18.77	19.51	28.49	30.23	30.92	28.03	20.01	27.12	13.95	22.56
FOREIGN LANGUAGES	20.97	27.92	17.23	35.94	20.88	12.59	14.31	21.72	13.73	18.77	18.81
HEALTH PROFESSIONS		17.85			4.38						11.88
HOME ECONOMICS	75.69	18.67	12.60	14.30	30.80	15.51	9.52	14.53	16.53		15.33
LAW											
LETTERS	13.78	13.74	12.88	14.36	15.91	11.74	15.98	11.94	13.10	16.21	13.22
LIBRARY SCIENCE					6.89						6.89
MATHEMATICS	14.07	16.41	11.00	18.04	16.07	13.07	13.41	10.06	12.47	18.03	12.79
MILITARY SCIENCE	18.18	13.54	11.79	6.38	13.47	34.45	3.97	7.72	6.92		9.71
PHYSICAL SCIENCE	18.90	24.04	20.75	16.48	22.93	14.83	16.03	19.39	14.70	17.13	18.56
PSYCHOLOGY	7.66	11.09	7.04	9.62	13.10	14.73	10.26	6.06	5.99	10.01	8.37
PUBLIC AFFAIRS AND SERVICES		6.66	10.71		13.54		6.55				8.51
SOCIAL SCIENCES	10.71	11.12	10.14	13.53	9.96	12.39	14.55	8.87	14.12	12.53	11.00
THEOLOGY											
CONTINUING EDUCATION											
INDUSTRIAL ARTS & TECHNOLOGY	29.00	33.29	22.56	28.83	38.44	24.57			29.23		28.23
INTERDISCIPLINARY STUDIES		17.22			12.66	8.52	.82	29.74	17.86		13.57
BUSINESS & COMMERCE TECH.											
DATA PROCESSING TECH.											
HEALTH SERVICES & PARAMEDICAL	57.90	53.07	26.35	34.18	19.00				42.92	49.50	42.49
MECHANICAL & ENGINEERING TECH											
NATURAL SCIENCE TECH.											
PUBLIC SERVICE RELATED TECH										25.35	25.35
TOTAL	15.06	15.88	14.34	16.39	16.79	14.85	15.34	14.19	15.21	18.72	15.12

TABLE 1 cont.

TOTAL INSTRUCTIONAL COST PER STUDENT CREDIT HOUR
LEVEL 1 LOWER LEVEL

TAXONOMY	CHAT.	CLEV.	COL.	DYERS.	JACK.	MOTLOW	ROANE	SHELBY	VOL.	WALTERS	TOTAL ALL
AGRICULTURE											19.20
ARCHITECTURE											20.97
AREA STUDIES											108.26
BIOLOGICAL SCIENCES	18.47	12.76	16.33	11.85	14.46	12.54	13.85	18.00	13.78	14.05	13.97
BUSINESS & MANAGEMENT	22.34	7.56	12.10	7.20	8.19	6.92	10.09	11.96	8.29	11.98	12.54
COMMUNICATIONS		33.80			84.01		32.61		14.31	8.07	24.26
COMPUTER SCIENCES											17.65
EDUCATION		17.13	24.28	19.05	28.97	15.82	19.39	31.13	17.56	16.70	17.67
ENGINEERING											30.41
FINE AND APPLIED ARTS		20.64	24.60	20.35	25.83	31.91	23.94	16.43	30.08	20.88	22.52
FOREIGN LANGUAGES		30.83	37.66	73.45	11.05	31.55	13.24	17.65	21.06	16.41	19.10
HEALTH PROFESSIONS											11.88
HOME ECONOMICS					16.11			33.27	59.30		15.94
LAW											
LETTERS	13.78	14.38	12.15	10.89	9.76	10.94	12.28	11.78	14.19	10.72	13.03
LIBRARY SCIENCE											6.69
MATHEMATICS	15.40	15.29	16.98	15.43	14.21	11.24	11.66	12.84	12.09	10.42	12.93
MILITARY SCIENCE									6.93		9.24
PHYSICAL SCIENCE	29.79	14.40	37.46	27.33	27.97	13.28	26.15	26.87	23.66	16.79	16.86
PSYCHOLOGY	8.70	7.10	11.11	15.50	9.04	6.67	11.08	9.70	9.08	12.05	8.73
PUBLIC AFFAIRS AND SERVICES											8.51
SOCIAL SCIENCES	11.46	9.22	14.33	17.94	13.21	10.62	11.30	9.11	10.20	10.71	11.01
THEOLOGY											
CONTINUING EDUCATION											
INDUSTRIAL ARTS & TECHNOLOGY											28.23
INTERDISCIPLINARY STUDIES				13.23				9.34			13.46
BUSINESS & COMMERCE TECH.	28.28	11.64	14.91	10.05	8.91	15.80	15.40	25.52	15.98	15.62	15.13
DATA PROCESSING TECH.	35.55	163.07	50.46	60.92	56.74	40.31	73.70	24.17	63.92	29.62	55.49
HEALTH SERVICES & PARAMEDICAL	58.71	48.32	65.27		28.23	58.89		34.54	74.27	8.82	44.25
MECHANICAL & ENGINEERING TECH	38.37	26.98	44.94	20.00	17.25	21.56	35.33		55.67	14.90	32.00
NATURAL SCIENCE TECH.	48.28		23.22	27.56	49.96			39.93	39.43	29.69	36.04
PUBLIC SERVICE RELATED TECH		4.72		11.94			31.66	15.33	30.81	16.26	14.36
TOTAL	25.71	16.47	21.67	15.62	16.73	15.18	16.40	15.67	17.28	13.92	15.49

TABLE 2

TOTAL INSTRUCTIONAL COST PER STUDENT CREDIT HOUR
LEVEL 2 UPPER LEVEL

TAXONOMY	APSU	ETSU	MSU	MTSU	TSU	TTU	UT CHATT	UT KNOX.	UT MARTIN	UT NASH.	TOTAL
AGRICULTURE	28.02			16.94	58.47	38.84		24.60	43.94		26.59
ARCHITECTURE								42.22			42.22
AREA STUDIES		93.99						219.31			162.35
BIOLOGICAL SCIENCES	18.34	28.93	19.74	20.87	23.56	17.47	27.36	29.70	22.95	28.99	23.61
BUSINESS & MANAGEMENT	16.83	20.51	17.60	19.47	8.91	17.29	13.83	18.49	15.45	16.79	17.64
COMMUNICATIONS		27.43	31.09	70.28		20.54		38.54	40.71	15.15	36.13
COMPUTER SCIENCES	29.40	23.62	22.00	29.05	11.96	21.64	52.73	30.23		35.57	25.52
EDUCATION	21.09	24.65	27.35	23.60	27.33	24.64	24.86	19.21	25.34	21.53	23.48
ENGINEERING		42.19	42.48	17.45	63.72	49.97	34.36	50.85	72.33	39.28	48.20
FINE AND APPLIED ARTS	45.27	21.51	34.08	36.19	62.22	34.34	41.97	45.23	61.04	15.50	37.51
FOREIGN LANGUAGES	62.40	46.62	28.44	48.56	98.98	33.49	62.31	34.85	59.14		40.45
HEALTH PROFESSIONS		26.65		15.36	17.33			45.63	22.52		32.70
HOME ECONOMICS	31.64	28.30	21.76	23.37	43.78	23.66	16.24	19.96	52.16		24.66
LAW											
LETTERS	24.62	19.92	28.31	21.64	18.64	25.64	23.24	17.26	29.40	23.77	21.48
LIBRARY SCIENCE	22.90	30.15	20.77	20.54		17.00		28.26	16.54	46.01	22.76
MATHEMATICS	24.59	31.74	29.11	22.73	34.44	22.54	41.04	32.92	29.52	47.80	27.80
MILITARY SCIENCE	18.21	11.66	10.70	6.62	17.61	35.81	5.37	6.69	6.97		10.57
PHYSICAL SCIENCE	29.63	56.02	28.32	34.48	60.48	26.45	56.56	26.15	34.93	25.56	32.05
PSYCHOLOGY	17.48	13.05	19.75	11.65	13.35	20.95	26.91	12.37	16.69	21.05	14.96
PUBLIC AFFAIRS AND SERVICES		10.25	18.27	15.10	7.38		9.43		7.10		11.08
SOCIAL SCIENCES	16.39	19.17	16.73	18.38	15.67	22.26	21.28	15.48	19.12	18.41	17.51
THEOLOGY											
CONTINUING EDUCATION											
INDUSTRIAL ARTS & TECHNOLOGY	34.58	44.69	32.93	33.11	37.61	39.62			68.24		39.17
INTER-DISCIPLINARY STUDIES		20.58		57.70				65.77	24.69		38.38
BUSINESS & COMMERCE TECH.											
DATA PROCESSING TECH.											
HEALTH SERVICES & PARAMEDICAL											
MECHANICAL & ENGINEERING TECH											
NATURAL SCIENCE TECH.											
PUBLIC SERVICE RELATED TECH											
TOTAL	21.36	23.15	23.61	22.21	23.70	27.86	23.52	24.49	25.57	21.64	23.87

TOTAL INSTRUCTIONAL COST PER STUDENT CREDIT HOUR
LEVELS 3 & 5 MASTERS AND PROFESSIONAL

TABLE 3

TAXONOMY	APSU	ETSU	MSU	MTSU	TSU	TTU	UT CHATT	UT KNOX.	UT MARTIN	UT NASH.	TOTAL
AGRICULTURE				54.61	58.51	47.53		75.15			71.84
ARCHITECTURE								98.57			98.57
AREA STUDIES											
BIOLOGICAL SCIENCES	43.08	41.75	123.00	43.88	77.25	115.83		106.63	42.46		84.99
BUSINESS & MANAGEMENT		42.09	86.58	47.24		52.64	15.30	59.95	12.86	36.40	54.77
COMMUNICATIONS		39.26	67.14	359.76				122.38			79.25
COMPUTER SCIENCES		90.99	165.93	58.02				65.70		41.82	68.17
EDUCATION	26.41	41.69	40.64	39.63	28.72	41.50	22.71	40.78	30.28	22.87	37.10
ENGINEERING			152.23	120.56		220.10		112.81		48.41	128.76
FINE AND APPLIED ARTS	118.94	28.27	126.10	350.51	110.65			100.68			95.96
FOREIGN LANGUAGES			102.29		221.30			96.30			103.31
HEALTH PROFESSIONS		30.27	137.11	85.31	52.84			87.85			95.91
HOME ECONOMICS				116.77	91.47			70.47	218.71		76.48
LAW			14.53					27.00			21.22
LETTERS	71.17	80.28	112.28	48.64	89.90	105.96		76.40	20.71		80.42
LIBRARY SCIENCE	109.28	56.31	50.45	39.54		30.71		53.27			52.19
MATHEMATICS	36.74	95.14	160.81	61.68		55.94	152.44	98.74	37.50		97.37
MILITARY SCIENCE						30.73		10.30			17.03
PHYSICAL SCIENCE	.43	233.22	179.28	200.71	253.19	68.53		126.52			133.85
PSYCHOLOGY	47.01	27.53	80.01	32.61	23.76	47.38		53.49	7.13	42.53	44.54
PUBLIC AFFAIRS AND SERVICES			33.45	48.14	170.81			59.68	21.23	53.34	58.34
SOCIAL SCIENCES	62.04	76.04	61.19	56.68	60.36	157.96		70.39	91.68		66.47
THEOLOGY											
CONTINUING EDUCATION											
INDUSTRIAL ARTS & TECHNOLOGY		56.66	42.89	98.12		43.90					55.74
INTERDISCIPLINARY STUDIES					89.28			87.20			87.26
BUSINESS & COMMERCE TECH.											
DATA PROCESSING TECH.											
HEALTH SERVICES & PARAMEDICAL											
MECHANICAL & ENGINEERING TECH											
NATURAL SCIENCE TECH.											
PUBLIC SERVICE RELATED TECH											
TOTAL	34.70	47.38	70.68	45.74	39.74	71.98	20.32	71.26	36.45	30.59	61.39

TABLE 4

TOTAL INSTRUCTIONAL COST PER STUDENT CREDIT HOUR
LEVEL 4 DOCTORAL

TAXONOMY	APSU	ETSU	MSU	MTSU	TSU	TTU	UT CHATT	UT KNOX.	UT MARTIN	UT NASH.	TOTAL
AGRICULTURE								136.49			136.49
ARCHITECTURE											
AREA STUDIES											
BIOLOGICAL SCIENCES			173.89					164.75			165.28
BUSINESS & MANAGEMENT								159.23			159.23
COMMUNICATIONS											
COMPUTER SCIENCES											
EDUCATION		94.37	96.06	68.64				95.07			93.08
ENGINEERING						353.75		213.55			226.70
FINE AND APPLIED ARTS											
FOREIGN LANGUAGES								178.44			178.44
HEALTH PROFESSIONS								248.67			248.67
HOME ECONOMICS								174.23			174.23
LAW											
LETTERS				71.47				94.43			93.11
LIBRARY SCIENCE											
MATHEMATICS			223.38	338.45				203.42			210.74
MILITARY SCIENCE											
PHYSICAL SCIENCE			391.08					258.68			280.33
PSYCHOLOGY			160.34	18.88				50.30			64.67
PUBLIC AFFAIRS AND SERVICES											
SOCIAL SCIENCES			257.53	29.24				144.94			115.48
THEOLOGY											
CONTINUING EDUCATION											
INDUSTRIAL ARTS & TECHNOLOGY								77.53			77.53
INTERDISCIPLINARY STUDIES											
BUSINESS & COMMERCE TECH.											
DATA PROCESSING TECH.											
HEALTH SERVICES & PARAMEDICAL											
MECHANICAL & ENGINEERING TECH											
NATURAL SCIENCE TECH.											
PUBLIC SERVICE RELATED TECH											
TOTAL		94.37	141.18	51.20		353.75		139.41			134.78

TOTAL INSTRUCTIONAL COST PER STUDENT CREDIT HOUR
TOTAL ALL LEVELS

TABLE 5

TAXONOMY	APSU	ETSU	MSU	MTSU	TSU	TTU	UT CHATT	UT KNOX.	UT MARTIN	UT NASH.	TOTAL
AGRICULTURE	22.32			15.99	52.34	31.47		32.58	29.47		29.28
ARCHITECTURE								36.72			36.72
AREA STUDIES		93.99						130.47			125.26
BIOLOGICAL SCIENCES	15.54	17.35	16.50	17.23	22.09	17.34	19.96	30.64	14.00	16.97	20.57
BUSINESS & MANAGEMENT	15.81	20.09	18.38	22.08	9.93	16.21	13.54	20.43	14.44	17.83	18.40
COMMUNICATIONS	23.15	24.97	27.64	54.09		20.54		39.02	21.76	15.15	33.35
COMPUTER SCIENCES	29.40	29.27	27.23	30.30	16.13	18.92	11.66	28.87	15.88	32.75	26.32
EDUCATION	19.81	24.11	29.84	23.16	24.70	23.24	20.90	25.74	25.41	22.13	24.96
ENGINEERING	26.64	33.96	43.77	21.50	58.63	63.99	33.10	64 [illegible]	39.95	39.85	57.37
FINE AND APPLIED ARTS	30.57	20.07	27.29	33.58	37.66	31.66	31.40	29.49	34.00	14.06	28.73
FOREIGN LANGUAGES	31.97	33.02	20.66	39.92	32.19	14.73	17.76	30.34	17.52	18.77	24.86
HEALTH PROFESSIONS		26.57	137.11	18.68	14.75			55.83	22.52		45.44
HOME ECONOMICS	37.93	21.55	15.22	21.77	38.72	18.43	11.11	25.52	34.30		23.94
LAW			14.53					27.00			21.22
LETTERS	16.09	15.60	15.69	16.81	17.16	13.11	18.58	15.21	14.54	16.79	15.68
LIBRARY SCIENCE	25.82	45.97	27.11	22.36	6.89	19.25		43.47	16.54	40.01	32.23
MATHEMATICS	16.04	18.89	16.25	20.71	16.92	15.14	15.16	15.79	12.50	18.48	16.42
MILITARY SCIENCE	18.19	12.68	11.03	6.47	15.07	35.17	4.26	7.07	6.95		10.15
PHYSICAL SCIENCE	21.91	31.30	27.17	19.57	30.79	17.26	19.35	31.44	17.14	18.12	25.67
PSYCHOLOGY	14.17	12.47	16.97	14.78	16.45	20.37	13.34	15.58	7.38	14.37	14.68
PUBLIC AFFAIRS AND SERVICES		9.33	16.30	18.07	8.53		7.79	59.68	7.15	53.34	24.09
SOCIAL SCIENCES	13.33	14.45	15.86	17.59	12.31	15.24	16.79	15.67	15.84	13.91	15.48
THEOLOGY											
CONTINUING EDUCATION											
INDUSTRIAL ARTS & TECHNOLOGY	31.31	42.06	29.75	33.34	37.44	33.46			53.78		35.54
INTERDISCIPLINARY STUDIES		17.80		57.70	12.44	8.52	.82	71.51	19.56		22.17
BUSINESS & COMMERCE TECH.											
DATA PROCESSING TECH.											
HEALTH SERVICES & PARAMEDICAL	57.90	53.07	36.35	34.18	19.00				42.92	44.50	42.49
MECHANICAL & ENGINEERING TECH											
NATURAL SCIENCE TECH.											
PUBLIC SERVICE RELATED TECH										25.35	25.35
TOTAL	18.27	20.02	21.54	20.71	20.16	22.28	17.95	26.18	18.49	20.42	22.11

TOTAL INSTRUCTIONAL COST PER STUDENT CREDIT HOUR
TOTAL ALL LEVELS

TABLE 5 cont.

TAXONOMY	CHAT.	CLEV.	COL.	DYERS.	JACK.	METLOW	ROANE	SHELBY	VOL.	WALTERS	TOTAL ALL
AGRICULTURE											29.28
ARCHITECTURE											36.72
AREA STUDIES											125.26
BIOLOGICAL SCIENCES	18.47	12.76	16.33	11.85	14.46	12.94	13.85	18.00	13.78	14.05	19.74
BUSINESS & MANAGEMENT	22.34	7.56	12.10	7.20	8.19	6.92	10.09	11.96	8.29	11.98	17.81
COMMUNICATIONS		33.80			84.01		32.61		14.31	8.07	33.71
COMPUTER SCIENCES											26.32
EDUCATION		17.13	24.28	19.05	28.97	15.82	19.39	31.13	17.56	16.70	24.75
ENGINEERING											57.37
FINE AND APPLIED ARTS		20.64	24.60	20.35	25.83	31.91	23.94	16.43	30.08	20.88	27.94
FOREIGN LANGUAGES		30.83	37.66	73.45	11.05	31.55	13.24	17.65	21.06	16.41	24.81
HEALTH PROFESSIONS											45.44
HOME ECONOMICS					16.11			33.27	59.30		24.04
LAW											21.22
LETTERS	13.78	14.38	12.15	10.89	9.76	10.94	12.28	11.78	14.19	10.72	15.12
LIBRARY SCIENCE											32.23
MATHEMATICS	15.40	15.29	16.98	15.43	14.21	11.24	11.66	12.84	12.09	10.42	16.00
MILITARY SCIENCE									6.93		9.90
PHYSICAL SCIENCE	29.79	14.40	37.46	27.33	27.57	13.28	26.15	26.87	23.66	16.79	25.42
PSYCHOLOGY	8.70	7.10	11.11	15.50	9.04	9.67	11.08	9.70	9.08	12.05	14.00
PUBLIC AFFAIRS AND SERVICES											24.09
SOCIAL SCIENCES	11.46	9.22	14.33	17.94	13.21	10.62	11.30	9.11	10.20	10.71	14.99
THEOLOGY											
CONTINUING EDUCATION											
INDUSTRIAL ARTS & TECHNOLOGY											35.54
INTERDISCIPLINARY STUDIES				13.23				9.34			21.85
BUSINESS & COMMERCE TECH.	28.28	11.64	14.91	10.05	8.41	15.80	15.40	25.52	15.96	15.62	15.13
DATA PROCESSING TECH.	35.55	163.07	50.46	60.92	56.74	40.31	73.70	24.17	63.92	29.62	55.49
HEALTH SERVICES & PARAMEDICAL	58.71	48.32	65.27		28.23	58.89		34.54	74.27	8.82	44.25
MECHANICAL & ENGINEERING TECH	38.37	26.98	44.94	26.00	17.25	21.56	35.33		55.67	14.90	32.00
NATURAL SCIENCE TECH.	46.28		23.22	27.56	49.98			39.93	39.43	29.69	36.04
PUBLIC SERVICE RELATED TECH		4.72		11.94			31.66	15.33	30.61	16.26	14.36
TOTAL	25.71	16.47	21.67	15.62	16.73	15.18	16.40	15.67	17.26	13.92	21.54

STUDENT CREDIT HOURS PRODUCED
LEVEL 1 LOWER LEVEL

TABLE 6

TAXONOMY	APSU	ETSU	MSU	MTSU	TSU	TTU	UT CHATT	UT KNOX.	UT MARTIN	UT NASH.	TOTAL
AGRICULTURE	375			789	273	853		3,065	1,003		6,358
ARCHITECTURE								3,133			3,133
AREA STUDIES								24			24
BIOLOGICAL SCIENCES	3,188	7,419	10,088	8,267	1,667	3,698	2,323	15,481	5,176	1,543	58,850
BUSINESS & MANAGEMENT	2,680	4,939	12,746	4,245	2,799	4,503	3,871	15,607	4,281	2,855	58,526
COMMUNICATIONS	3	732	1,893	750				1,570	183	54	5,185
COMPUTER SCIENCES		288	505	4	87	487	318	1,698	324	42	3,753
EDUCATION	3,464	8,692	10,743	8,943	3,752	7,889	3,699	9,261	3,100	264	59,807
ENGINEERING	126	549	2,243	41	525	1,995	672	5,164	1,043	296	12,654
FINE AND APPLIED ARTS	2,471	4,796	9,457	2,719	2,150	2,523	2,779	10,185	1,783	927	39,790
FOREIGN LANGUAGES	249	609	5,517	651	1,184	1,964	2,042	6,119	1,450	471	20,256
HEALTH PROFESSIONS		219			174						393
HOME ECONOMICS	12	942	2,222	657	528	960	687	3,594	1,152		10,754
LAW											
LETTERS	5,748	12,621	25,185	11,859	6,373	10,289	4,422	30,469	7,512	3,708	118,186
LIBRARY SCIENCE					192						192
MATHEMATICS	2,278	5,712	11,549	4,244	3,560	6,095	3,720	18,234	5,054	1,960	62,406
MILITARY SCIENCE	94	143	88	464	119	129	384	504	147		2,073
PHYSICAL SCIENCE	1,650	4,362	11,349	8,035	1,480	6,525	3,931	22,660	5,464	1,601	67,058
PSYCHOLOGY	1,626	4,302	7,626	3,570	1,121	1,275	3,299	7,458	4,104	1,587	35,968
PUBLIC AFFAIRS AND SERVICES		1,047	1,122		221		832				3,222
SOCIAL SCIENCES	5,555	13,581	19,317	12,468	6,790	8,334	5,571	29,488	6,012	2,865	109,981
THEOLOGY											
CONTINUING EDUCATION											
INDUSTRIAL ARTS & TECHNOLOGY	306	310	753	642	291	300			195		2,797
INTERDISCIPLINARY STUDIES		1,535			3,282	556	261	172	167		5,973
BUSINESS & COMMERCE TECH.											
DATA PROCESSING TECH.											
HEALTH SERVICES & PARAMEDICAL	396	1,642	1,958	458	984				993	2,142	8,573
MECHANICAL & ENGINEERING TECH											
NATURAL SCIENCE TECH.											
PUBLIC SERVICE RELATED TECH										117	117
TOTAL	30,221	74,440	134,362	68,806	37,553	58,375	38,811	183,887	49,143	20,432	696,032

TABLE 6 cont.

STUDENT CREDIT HOURS PRODUCED
LEVEL 1 LOWER LEVEL

TAXONOMY	CHAT.	CLEV.	COL.	DYERS.	JACK.	MOTLOW	ROANE	SHELBY	VOL.	WALTERS	TOTAL ALL
AGRICULTURE											6,358
ARCHITECTURE											3,133
AREA STUDIES											24
BIOLOGICAL SCIENCES	348	2,294	1,475	948	1,337	1,019	807	1,404	1,564	1,324	71,370
BUSINESS & MANAGEMENT	1,265	2,784	1,215	930	444	912	822	1,521	981	1,365	70,765
COMMUNICATIONS		99			141		109		42	81	5,657
COMPUTER SCIENCES											3,753
EDUCATION		1,587	1,006	634	1,179	776	800	1,295	999	1,748	69,831
ENGINEERING											12,654
FINE AND APPLIED ARTS		908	687	587	667	349	395	2,250	1,069	947	47,649
FOREIGN LANGUAGES		324	27	30	112	111	129	162	306	36	21,493
HEALTH PROFESSIONS											393
HOME ECONOMICS					271			183	78		11,286
LAW											
LETTERS	1,544	3,982	2,409	1,377	2,367	2,177	2,234	5,004	2,993	2,802	145,075
LIBRARY SCIENCE											192
MATHEMATICS	2,182	1,652	739	581	1,136	1,019	1,003	1,707	1,221	1,011	74,657
MILITARY SCIENCE						71	30		21		2,195
PHYSICAL SCIENCE	512	1,546	447	307	463	527	394	456	756	648	73,114
PSYCHOLOGY	321	2,055	792	768	753	681	744	1,579	1,179	1,428	46,268
PUBLIC AFFAIRS AND SERVICES											3,222
SOCIAL SCIENCES	327	2,490	1,680	792	2,312	1,512	1,593	4,296	2,259	2,337	129,579
THEOLOGY											
CONTINUING EDUCATION											2,797
INDUSTRIAL ARTS & TECHNOLOGY				45				159			6,177
INTERDISCIPLINARY STUDIES											
BUSINESS & COMMERCE TECH.	1,425	1,917	1,049	903	3,339	936	894	1,083	1,272	645	13,463
DATA PROCESSING TECH.	1,168	286	288	221	546	516	207	63	273	162	3,730
HEALTH SERVICES & PARAMEDICAL	144	1,412	966		592	282		726	60	69	12,824
MECHANICAL & ENGINEERING TECH	2,435	715	467	289	195	281	558		204	897	6,041
NATURAL SCIENCE TECH.	219		224	168	95			421	251	347	1,725
PUBLIC SERVICE RELATED TECH		1,044		588			111	774	336	1,080	4,050
TOTAL	11,890	25,095	13,471	9,168	15,949	11,169	10,830	23,083	15,864	16,927	849,479

TABLE 7

STUDENT CREDIT HOURS PRODUCED
LEVEL 2 UPPER LEVEL

TAXONOMY	APSU	ETSU	MSU	MTSU	TSU	TTU	UT CHATT	UT KNOX.	UT MARTIN	UT NASH.	TOTAL
AGRICULTURE	313			2,545	300	968		4,018	605		8,749
ARCHITECTURE								2,255			2,255
AREA STUDIES		5						6			11
BIOLOGICAL SCIENCES	976	1,906	3,652	1,270	487	2,371	1,006	3,704	1,399	326	17,097
BUSINESS & MANAGEMENT	3,331	6,258	16,710	9,306	2,652	5,254	3,974	23,220	3,693	3,405	77,803
COMMUNICATIONS		819	1,754	481		249		1,736	85	54	5,178
COMPUTER SCIENCES	72	339	1,224	1,322	234	354	27	767		18	4,357
EDUCATION	4,888	7,485	11,960	10,885	4,251	5,729	3,120	18,664	5,549	1,491	74,023
ENGINEERING		291	2,605	405	734	4,718	772	8,159	88	411	18,183
FINE AND APPLIED ARTS	621	2,289	4,053	2,878	615	694	886	3,031	454	72	15,595
FOREIGN LANGUAGES	90	228	630	300	107	224	158	1,584	132		3,453
HEALTH PROFESSIONS		3,798		585	300			2,960	57		7,700
HOME ECONOMICS	72	402	892	2,004	669	535	213	5,825	733		11,345
LAW											
LETTERS	960	1,332	2,025	3,010	1,275	612	2,466	5,894	721	306	18,601
LIBRARY SCIENCE	171	132	564	433		306		570	129	30	2,335
MATHEMATICS	228	636	528	1,678	171	679	223	919	120	30	5,212
MILITARY SCIENCE	78	120	207	252	75	169	102	883	165		2,051
PHYSICAL SCIENCE	668	774	1,740	1,106	212	1,113	351	3,784	748	213	10,709
PSYCHOLOGY	528	2,184	2,189	3,791	696	795	749	5,398	613	858	17,801
PUBLIC AFFAIRS AND SERVICES		3,048	1,568	546	1,819		632		794		8,405
SOCIAL SCIENCES	2,585	3,161	6,347	7,251	3,548	1,492	2,775	9,290	2,167	876	39,490
THEOLOGY											
CONTINUING EDUCATION											
INDUSTRIAL ARTS & TECHNOLOGY	216	768	1,043	969	438	427			331		4,192
INTERDISCIPLINARY STUDIES		324		51				202	55		632
BUSINESS & COMMERCE TECH.											
DATA PROCESSING TECH.											
HEALTH SERVICES & PARAMEDICAL											
MECHANICAL & ENGINEERING TECH											
NATURAL SCIENCE TECH.											
PUBLIC SERVICE RELATED TECH											
TOTAL	15,797	36,299	59,690	51,068	18,581	26,689	17,455	102,872	18,636	8,090	355,181

STUDENT CREDIT HOURS PRODUCED
LEVELS 3 & 5 MASTERS AND PROFESSIONAL

TABLE 8

TAXONOMY	APSU	ETSU	MSU*	MTSU	TSU	TTU	UT CHATT	UT KNOX.*	UT MARTIN	UT NASH.	TOTAL*
AGRICULTURE				36	167	49		1,219			1,471
ARCHITECTURE								597			597
AREA STUDIES											
BIOLOGICAL SCIENCES	140	554	481	628	196	253		1,477	21		3,750
BUSINESS & MANAGEMENT		783	1,395	1,208		9	651	3,472	12	933	8,463
COMMUNICATIONS		345	222	9				323			899
COMPUTER SCIENCES		60	15	48				695		24	842
EDUCATION	2,102	2,238	6,937	2,640	1,635	2,934	1,035	8,923	1,458	1,845	31,747
ENGINEERING			389	6		710		3,668		192	4,965
FINE AND APPLIED ARTS	65	357	466	20	12			685			1,605
FOREIGN LANGUAGES			172		33			529			734
HEALTH PROFESSIONS		439	863	29	27			653			2,011
HOME ECONOMICS				18	15			1,104	40		1,177
LAW			8,443					9,784			18,227
LETTERS	92	276	468	399	84	69		751	15		2,154
LIBRARY SCIENCE	6	202	153	46		60		885			1,352
MATHEMATICS	123	78	321	171		186	6	811	6		1,702
MILITARY SCIENCE						3		6			9
PHYSICAL SCIENCE	9	62	179	46	24	110		1,617			2,047
PSYCHOLOGY	269	309	783	1,697	807	249		1,493	6	42	5,655
PUBLIC AFFAIRS AND SERVICES			186	54	6			4,202	3	204	4,655
SOCIAL SCIENCES	136	492	2,186	1,072	84	93		2,260	42		6,365
THEOLOGY											
CONTINUING EDUCATION											
INDUSTRIAL ARTS & TECHNOLOGY		48	159	46		3					258
INTERDISCIPLINARY STUDIES					12			459			471
BUSINESS & COMMERCE TECH.											
DATA PROCESSING TECH.											
HEALTH SERVICES & PARAMEDICAL											
MECHANICAL & ENGINEERING TECH											
NATURAL SCIENCE TECH.											
PUBLIC SERVICE RELATED TECH											
TOTAL	2,942	6,243	15,377*	8,175	3,102	4,726	1,692	35,836*	1,603	3,240	82,938*

*Totals do not include Law.

TABLE 9

STUDENT CREDIT HOURS PRODUCED
LEVEL 4 DOCTORAL

TAXONOMY	APSU	ETSU	MSU	MTSU	TSU	TTU	UT CHATT	UT KNOX.	UT MARTIN	UT NASH.	TOTAL
AGRICULTURE								234			234
ARCHITECTURE											
AREA STUDIES											
BIOLOGICAL SCIENCES			40					653			693
BUSINESS & MANAGEMENT								309			309
COMMUNICATIONS											
COMPUTER SCIENCES											
EDUCATION		324	881	240				1,423			2,868
ENGINEERING						85		820			905
FINE AND APPLIED ARTS											
FOREIGN LANGUAGES								72			72
HEALTH PROFESSIONS								48			48
HOME ECONOMICS								149			149
LAW											
LETTERS				32				525			557
LIBRARY SCIENCE											
MATHEMATICS			36	3				114			153
MILITARY SCIENCE											
PHYSICAL SCIENCE			120					613			733
PSYCHOLOGY			141	8				914			1,064
PUBLIC AFFAIRS AND SERVICES											
SOCIAL SCIENCES			24	248				610			882
THEOLOGY											
CONTINUING EDUCATION											
INDUSTRIAL ARTS & TECHNOLOGY								190			190
INTERDISCIPLINARY STUDIES											
BUSINESS & COMMERCE TECH.											
DATA PROCESSING TECH.											
HEALTH SERVICES & PARAMEDICAL											
MECHANICAL & ENGINEERING TECH											
NATURAL SCIENCE TECH.											
PUBLIC SERVICE RELATED TECH											
TOTAL		324	1,242	531		85		6,680			8,862

TABLE 10

STUDENT CREDIT HOURS PRODUCED
TOTAL ALL LEVELS

TAXONOMY	APSU	ETSU	MSU	MTSU	TSU	TTU	UT CHATT	UT KNOX.	UT MARTIN	UT NASH.	TOTAL
AGRICULTURE	688			3,370	740	1,270		8,537	1,608		16,813
ARCHITECTURE								5,985			5,985
AREA STUDIES		5						30			35
BIOLOGICAL SCIENCES	4,304	9,879	14,261	10,165	2,350	6,322	3,329	21,316	6,596	1,869	80,391
BUSINESS & MANAGEMENT	6,011	11,980	30,851	14,759	5,451	9,766	8,496	42,608	7,986	7,193	145,102
COMMUNICATIONS	3	1,896	3,869	1,240		249		3,629	268	108	11,262
COMPUTER SCIENCES	72	687	1,744	1,374	321	841	345	3,160	324	84	8,952
EDUCATION	10,454	18,739	30,521	22,708	9,638	16,552	7,854	38,272	10,107	3,600	168,446
ENGINEERING	126	840	5,237	452	1,259	7,508	1,444	17,812	1,131	659	36,708
FINE AND APPLIED ARTS	3,158	7,442	13,976	5,617	2,777	3,217	3,665	13,901	2,237	999	56,991
FOREIGN LANGUAGES	339	837	6,319	951	1,324	2,188	2,200	8,305	1,582	471	24,516
HEALTH PROFESSIONS		4,456	863	614	501			3,662	57		10,153
HOME ECONOMICS	84	1,344	3,114	2,679	1,212	1,495	900	10,673	1,925		23,426
LAW			8,443					9,784			18,227
LETTERS	6,800	14,229	27,679	15,300	7,732	10,970	6,888	37,639	8,248	4,014	139,499
LIBRARY SCIENCE	177	334	717	479	192	366		1,455	129	30	3,879
MATHEMATICS	2,629	6,426	12,434	6,096	3,731	6,960	3,949	20,078	5,180	1,990	69,473
MILITARY SCIENCE	172	263	295	718	194	301	486	1,394	312		4,133
PHYSICAL SCIENCE	2,327	5,198	13,388	9,187	1,716	7,748	4,282	28,674	6,212	1,814	80,549
PSYCHOLOGY	2,423	6,795	10,740	9,066	2,624	2,319	4,048	15,264	4,723	2,487	60,489
PUBLIC AFFAIRS AND SERVICES		4,095	2,874	600	2,046		1,464	4,202	797	204	16,282
SOCIAL SCIENCES	8,276	17,234	27,874	21,039	10,420	9,919	8,346	41,648	8,221	3,741	156,719
THEOLOGY											
CONTINUING EDUCATION											
INDUSTRIAL ARTS & TECHNOLOGY	522	1,126	1,955	1,659	729	736			526		7,247
INTERDISCIPLINARY STUDIES		1,859		51	3,294	556	261	1,023	222		7,266
BUSINESS & COMMERCE TECH.											
DATA PROCESSING TECH.											
HEALTH SERVICES & PARAMEDICAL	396	1,642	1,958	458	984				993	2,142	8,573
MECHANICAL & ENGINEERING TECH											
NATURAL SCIENCE TECH.											
PUBLIC SERVICE RELATED TECH										117	117
TOTAL	48,561	117,306	219,115	128,580	59,236	89,677	57,938	339,059	69,385	31,762	1,161,242

TABLE 10 cont.

STUDENT CREDIT HOURS PRODUCED
TOTAL ALL LEVELS

TAXONOMY	CHAT.	CLEV.	COL.	DYERS.	JACK.	MCTLOW	ROANE	SHELBY	VOL.	WALTERS	TOTAL ALL
AGRICULTURE											16,813
ARCHITECTURE											5,985
AREA STUDIES											35
BIOLOGICAL SCIENCES	348	2,294	1,475	948	1,337	1,019	807	1,404	1,564	1,324	92,911
BUSINESS & MANAGEMENT	1,265	2,784	1,215	930	444	912	822	1,521	981	1,365	157,341
COMMUNICATIONS		99			141		109		42	81	11,734
COMPUTER SCIENCES											8,952
EDUCATION		1,567	1,006	634	1,179	776	800	1,295	999	1,748	178,470
ENGINEERING											36,708
FINE AND APPLIED ARTS		908	687	587	667	349	395	2,250	1,069	947	64,850
FOREIGN LANGUAGES		324	27	30	112	111	129	162	306	36	25,753
HEALTH PROFESSIONS											10,153
HOME ECONOMICS					271			183	78		23,958
LAW											18,227
LETTERS	1,544	3,982	2,409	1,377	2,367	2,177	2,234	5,004	2,993	2,802	166,388
LIBRARY SCIENCE											3,879
MATHEMATICS	2,182	1,652	739	581	1,136	1,019	1,003	1,707	1,221	1,011	81,724
MILITARY SCIENCE						71	30		21		4,255
PHYSICAL SCIENCE	512	1,546	447	307	463	527	394	456	756	648	86,605
PSYCHOLOGY	321	2,055	792	768	753	681	744	1,579	1,179	1,428	70,789
PUBLIC AFFAIRS AND SERVICES											16,282
SOCIAL SCIENCES	327	2,490	1,680	792	2,312	1,512	1,593	4,296	2,259	2,337	176,317
THEOLOGY											
CONTINUING EDUCATION											
INDUSTRIAL ARTS & TECHNOLOGY											7,247
INTERDISCIPLINARY STUDIES				45				159			7,470
BUSINESS & COMMERCE TECH.	1,425	1,917	1,049	903	3,339	936	894	1,083	1,272	645	13,463
DATA PROCESSING TECH.	1,168	286	288	221	546	516	207	63	273	162	3,730
HEALTH SERVICES & PARAMEDICAL	144	1,412	966		542	282		726	60	69	12,824
MECHANICAL & ENGINEERING TECH	2,435	715	467	289	195	281	558		204	897	6,041
NATURAL SCIENCE TECH.	219		224	168	45			421	251	347	1,725
PUBLIC SERVICE RELATED TECH		1,044		588			111	774	336	1,080	4,050
TOTAL	11,890	25,095	13,471	9,168	15,949	11,169	10,830	23,083	15,864	16,927	1,314,689

TABLE 11

COMPARISON OF COST PER STUDENT CREDIT HOUR

1971 AND 1973 COST STUDIES

	LEVEL 1			Level 2			Level 3			Level 4		
	1971	1973	% DIFF.	1971	1973	% DIFF.	1971	1973	% DIFF.	1971	1973	% DIFF.
APSU	12.55	15.06	+ 20.0	17.97	21.36	+ 18.9	43.07	34.70	- 19.4	-	-	-
ETSU	13.94	15.88	+ 13.9	21.46	23.15	+ 7.9	40.73	47.38	+ 16.3	59.71	94.37	+ 58.0
MSU	13.93	14.34	+ 2.9	22.61	23.61	+ 4.4	55.98	70.68	+ 26.3	112.96	141.18	+ 25.0
MTSU	14.48	16.39	+ 13.1	18.00	22.21	+ 23.4	28.92	45.74	+ 58.2	51.40	51.20	- 0.4
TSU	12.41	16.79	+ 35.2	20.02	23.70	+ 18.4	41.38	39.74	- 4.0	-	-	
TTU	11.86	14.85	+ 25.2	22.13	27.80	+ 25.6	71.63	76.98	+ 7.5	-	353.75	-
CHATT.	-	25.71	-	-	-	-	-	-	-	-	-	-
CLEVE.	12.64	16.47	+ 30.3	-	-	-	-	-	-	-	-	-
COL.	15.67	21.67	+ 38.5	-	-	-	-	-	-	-	-	-
DYERS.	13.44	15.62	+ 16.2	-	-	-	-	-	-	-	-	-
JACK.	15.51	16.73	+ 7.7	-	-	-	-	-	-	-	-	-
MOT.	12.98	15.18	+ 16.9	-	-	-	-	-	-	-	-	-
ROANE	17.54	16.40	- 6.5	-	-	-	-	-	-	-	-	-
SHELBY	-	15.67	-	-	-	-	-	-	-	-	-	-
VOL.	13.75	17.26	+ 25.5	-	-	-	-	-	-	-	-	-
WALT.	11.18	13.92	+ 24.5	-	-	-	-	-	-	-	-	-
UTC	14.85	15.34	+ 3.3	24.11	23.52	- 2.4	24.17	20.32	- 15.9	-	-	-
UTK	12.75	14.19	+ 11.3	21.69	24.49	+ 12.9	60.20	71.26	+ 18.4	123.72	139.41	+ 12.7
UTM	14.82	15.21	+ 2.6	19.85	25.57	+ 28.8	30.87	36.45	+ 18.1	-	-	-
UTN	13.49	18.72	+ 38.8	18.27	20.64	+ 13.0	25.35	30.59	+ 20.7	-	-	-
TOTAL	13.53	15.49	+ 14.5	21.02	23.87	+ 13.6	52.36	61.39	+ 17.2	118.16	134.78	+ 14.1

TABLE 12

COMPARISON OF TOTAL INSTRUCTIONAL COSTS PER STUDENT CREDIT HOUR
STATEWIDE TOTALS BY ACADEMIC AREA AND LEVEL 1971 AND 1973

	Lower			Upper			Master's*			Doctoral		
	1971	1973	% Inc.	1971	1973	% Inc.	1971	1973	% Inc.	1971	1973	% Inc
Agriculture	19.85	19.20	(3.3)	23.60	26.59	12.7	81.22	71.84	(11.5)	147.67	136.49	(7.6)
Architecture	27.72	20.97	(24.4)	35.18	42.22	20.0	79.55	98.57	23.9	--	--	--
Area Studies	13.80	108.26	--	9.05	162.35	--	--	--	--	--	--	--
Bio Sc.	12.79	13.97	9.2	21.04	23.61	12.2	80.09	84.99	6.1	158.41	165.28	4.3
Bus & Mgt.	11.19	12.94	15.6	16.02	17.64	10.1	40.87	54.77	34.0	147.75	159.23	7.8
Comm.	21.16	24.26	14.7	29.86	36.13	21.0	50.35	79.25	57.4	--	--	--
Computer Sc.	10.39	17.85	71.8	16.26	25.52	56.9	34.18	68.17	99.4	--	--	--
Educ.	15.39	17.67	14.8	19.38	23.48	21.2	33.03	37.10	12.3	76.27	93.08	22.0
Engr.	30.72	30.41	(1.0)	44.39	48.20	8.6	129.26	128.76	(0.4)	231.16	226.70	(1.9)
Indus. Arts & Tech	--	28.23	--	--	39.17	--	--	55.74	--	--	--	--
Fine Arts	19.08	22.52	18.0	30.15	37.51	24.4	88.36	95.96	8.6	--	--	
For. Lang.	16.42	19.10	16.3	38.56	40.45	4.9	103.12	103.31	0.2	137.73	178.44	29.6
Health Prof.	14.21	11.88	(16.4)	35.20	32.70	(7.1)	43.71	95.91	119.4	87.93	248.67	182.8
Home Ec.	13.97	15.94	14.1	24.83	24.66	(0.7)	78.37	76.48	(2.4)	175.09	174.23	(0.5)
Law	--	--	--	--	--	--	15.16	21.22	40.0	--	--	--
Letters	11.38	13.03	14.5	18.57	21.48	15.7	54.93	80.42	46.4	75.21	93.11	23.8
Lib. Sc.	4.11	6.89	67.6	24.59	22.76	(7.4)	40.88	52.19	27.7	--	--	--
Math	12.06	12.93	7.2	22.29	27.80	24.7	54.88	97.37	77.4	170.36	210.74	23.7
Mil. Sc.	3.36	9.24	175.0	4.47	10.57	136.5	2.87	17.03	--	--	--	
Phy. Sc.	16.24	18.86	16.1	33.88	32.05	(5.4)	104.98	133.85	27.5	191.73	280.33	46.2
Psychology	8.64	8.73	1.0	12.63	14.96	18.4	34.04	44.54	30.8	51.29	64.67	26.1
Pub. Affairs	8.94	8.51	(4.8)	12.76	11.08	(13.2)	48.39	58.34	20.6	--	--	
Soc. Sc.	9.35	11.01	17.8	14.67	17.51	19.4	54.59	66.47	21.8	108.84	115.48	6.1
Interdisc.	16.24	13.46	(17.1)	15.12	38.38	153.8	86.52	87.26	0.9	96.93	77.53	(20.0)
Bus. Tech.	15.64	15.13	(3.3)	--	--	--	--	--	--	--	--	--
Data Process Tech.	53.95	55.49	2.9	--	--	--	--	--	--	--	--	--
Health Tech.	37.41	44.25	18.3	--	--	--	--	--	--	--	--	--
Engr. Tech.	36.58	32.00	(12.5)	--	--	--	--	--	--	--	--	--
Nat. Sc. Tech.	21.94	36.04	64.3	--	--	--	--	--	--	--	--	--
Pub. Serv. Tech.	14.80	14.36	(3.0)	--	--	--	--	--	--	--	--	--
Total	13.53	15.49	14.5	21.02	23.87	13.6	52.36	61.39	17.2	118.16	134.78	14.1

*Includes Law

TABLE 13

COMPARISON OF STUDENT CREDIT HOURS BY LEVEL

1971 AND 1973 COST STUDIES

	LEVEL 1			LEVEL 2			LEVEL 3*			LEVEL 4		
	1971	1973	% DIFF.	1971	1973	% DIFF.	1971	1973	% DIFF	1971	1973	% DIFF.
APSU	32,139	30,221	- 6.0	16,708	15,797	- 5.5	1,548	2,942	+ 90.0	-	-	-
ETSU	78,864	74,440	- 5.6	35,620	36,299	+ 1.9	6,325	6,243	- 1.3	252	324	+ 28.6
MSU	142,171	134,362	- 5.5	57,529	59,690	+ 3.8	20,468	23,820	+ 16.4	652	1,242	+ 90.5
MTSU	69,505	68,806	- 1.0	45,755	51,068	+ 11.6	5,989	8,175	+ 36.5	259	531	+ 105.0
TSU	42,281	37,553	- 11.2	18,225	18,581	+ 2.0	2,484	3,102	+ 24.9	-	-	-
TTU	58,523	58,375	- 0.3	26,224	26,689	+ 1.8	4,068	4,728	+ 16.2	-	85	-
CHATT.	-	11,890	-	-	-	-	-	-	-	-	-	-
CLEVE.	22,613	25,095	+ 11.0	-	-	-	-	-	-	-	-	-
COL.	18,287	13,471	- 26.3	-	-	-	-	-	-	-	-	-
DYERS.	8,437	9,168	+ 8.7	-	-	-	-	-	-	-	-	-
JACK.	15,672	15,949	+ 1.8	-	-	-	-	-	-	-	-	-
MOT.	10,412	11,169	+ 7.3	-	-	-	-	-	-	-	-	-
ROANE	3,664	10,830	+195.6	-	-	-	-	-	-	-	-	-
SHELBY	-	23,083	-	-	-	-	-	-	-	-	-	-
VOL.	7,188	15,864	+120.7	-	-	-	-	-	-	-	-	-
WALT.	12,426	16,927	+ 36.2	-	-	-	-	-	-	-	-	-
UTC	45,773	38,811	- 15.2	12,482	17,455	+ 39.8	896	1,692	+ 88.8	-	-	-
UTK	189,187	183,887	- 2.8	98,973	102,872	+ 3.9	37,423	45,620	+ 21.9	6,361	6,680	+ 5.0
UTM	50,853	49,143	- 3.4	17,139	18,638	+ 8.7	1,484	1,603	+ 8.0	-	-	-
UTN	13,963	20,432	+ 46.3	4,546	8,090	+ 78.0	1,728	3,240	+ 87.5	-	-	-
TOTAL	821,958	849,479	+ 3.3	333,201	355,181	+ 6.6	82,413	101,165	+ 22.8	7,524	8,862	+ 17.8

*Includes Law

TABLE 14

COMPARISON OF SCH, 1971 AND 1973 COST STUCY

	Level 1			Level 2			Level 3 and Law			Level 4		
	1971	1973	Diff.	1971	1973	Diff.	1971	1973	Diff.	1971	1973	Diff.
Agriculture	6,024	6,358	+ 334	7,744	8,749	+ 1,005	1,067	1,471	+ 404	406	234	- 172
Architecture	2,204	3,133	+ 929	1,844	2,255	+ 411	418	597	+ 179	--	--	--
Area Studies	570	24	- 546	369	11	- 358	--	--	--	--	--	--
Bio. Sc.	64,834	71,370	+ 6,536	15,403	17,097	+ 1,694	3,122	3,750	+ 628	578	693	+ 115
Bus, & Mgt.	64,936	70,765	+ 5,829	73,107	77,803	+ 4,696	6,562	8,463	+1,901	276	309	+ 33
Comm.	5,597	5,657	+ 60	4,528	5,178	+ 650	451	899	+ 448	--	--	--
Computer Sc.	2,172	3,753	+ 1,581	3,284	4,357	+ 1,073	346	842	+ 496	--	--	--
Educ.	65,618	69,831	+ 4,213	75,874	74,023	- 1,851	24,969	31,747	+6,778	2,293	2,868	+ 575
Engr.	17,564	12,654	- 2,113	21,843	18,183	+ 532	4,194	4,965	+1,029	547	905	+ 358
Indus. Arts & Tech.**	--	2,797	**	--	4,192	**	--	258	**	--	--	--
Fine Arts	43,945	47,649	+ 3,704	13,050	15,595	+ 2,545	1,062	1,605	+ 543	--	--	--
For. Lang.	23,414	21,493	- 1,921	3,603	3,453	- 150	682	734	+ 52	93	72	- 21
Health Prof.	1,010	393	- 617	3,696	7,700	+ 4,004	1,499	2,011	+ 512	27	48	+ 21
Home Ec.	11,236	11,286	+ 50	8,752	11,345	+ 2,593	1,077	1,177	+ 100	83	149	+ 66
Law	--	--	--	--	--	--	14,869	18,227	+3,358	--	--	--
Letters	142,425	145,075	+ 2,650	19,743	18,601	- 1,142	2,456	2,154	- 302	527	557	+ 30
Lib. Sc.	87	192	+ 105	2,564	2,335	- 229	933	1,352	+ 419	--	--	--
Mathematics	72,529	74,657	+ 2,128	7,150	5,212	- 1,938	2,163	1,702	- 461	150	153	+ 3
Mil. Sc.	6,519	2,195	- 4,324	3,118	2,051	- 1,067	107	9	- 98	--	--	--
Phys. Sc.	70,811	73,114	+ 2,303	9,417	10,709	+ 1,292	2,203	2,047	- 156	889	733	- 156
Psychology	41,331	46,268	+ 4,937	15,170	17,801	+ 2,631	5,245	5,655	+ 410	842	1,064	+ 222
Pub. Affairs	2,011	3,222	+ 1,211	4,373	8,405	+ 4,032	3,788	4,655	+ 867	--	--	--
Soc. Sc.	130,303	129,579	- 724	37,846	39,490	+ 1,644	4,772	6,365	+1,593	675	882	+ 207
Interdisc.	3,890	6,177	+ 2,287	513	632	+ 119	428	471	+ 43	138	190	+ 52
Bus. Tech.	4,777	13,463	+ 8,686	--	--	--	--	--	--	--	--	--
Data Proc. Tech.	2,123	3,730	+ 1,607	--	--	--	--	--	--	--	--	--
Health Tech.	10,358	12,824	+ 2,466	210	--	- 210	--	--	--	--	--	--
Engr. Tech.	1,634	6,041	+ 4,407	--	--	--	--	--	--	--	--	--
Nat. Sc. Tech.	371	1,725	+ 1,354	--	--	--	--	--	--	--	--	--
Pub. Serv. Tech	387	4,050	+ 3,663	--	--	--	--	--	--	--	--	--
Total	798,680*	849,479	+50,799*	333,201	355,181	+21,980	82,413	101,165	+18,752	7,524	8,862	+1,338

*Does not include Roane, Volunteer, Shelby, or Walters.

**Included in Engineering in 1971 and in Difference column. Some discrepancies may be noticed in totals due to rounding.

APPENDIX A

REPORTING AND COMPUTATIONAL PROCEDURES

Detailed reporting and computational procedures were utilized for implementation of the 1973 Instructional Cost Study. Information for personnel, classes, clerical salaries, supplies and equipment in the Instruction and Departmental Research function as reported in the October 31 Revised Budget were reported. All classes were reported as of the census date (14 calendar days from the beginning of classes inclusive). All personnel and equipment and supplies budgeted in accounts where classes were not taught were allocated to accounts with classes by each institution. One or more records were submitted for each professional person containing the following information:

Institution Code
Social Security Number
Full-time or Percent Full-time Status
Overload Code
Length of Appointment
Budget Account Number
Full-time or Percent Full-time in Account
Total Yearly Salary
Total Term Salary
Imputed Salary Code
Unrestricted Term Salary
Restricted Term Salary
Personnel Rank

Distribution of Effort in Account(Percents)
- Instruction
- Thesis and Dissertation Supervision
- Academic Advising
- Departmental Research
- Academic Administration
- Institutional Service
- Other Professional Service

Date of Birth
Sex
Tenure
Highest Degree Earned
Experience
Citizenship and Race

One or more records were submitted for each class containing the following information:

Institution Code
Faculty Social Security Number
Instructional Responsibility Code
Overload Code
Budget Account Number
Course Section Identifier
Instructional Medium
Lab Code
Subject Field Code
Course Level
Credit Hour Value
Number of Students
Building Code
Room Code
Room Contact Hours
Beginning Time
Ending Time
Days of Week

The equipment, supplies, and clerical and supporting salaries allotments for each budget account in the Instruction and Departmental Research function were reported as follows:

Institution Code
Budget Account Number
Equipment Annual Allotment
Supplies and Other Expenditures Annual Allotment
Clerical and Supporting Salaries Annual Allotment
Budget Account of Allocated Activities

Expenditures for Staff Benefits were not included.

Detailed calculations were made to determine total instructional cost per student credit hour by academic area and course level. Five calculations--direct teaching costs, other academic personnel costs, clerical and supporting costs, equipment, and supplies costs were made to arrive at total instructional cost per student credit hour. These calculations are outlined below.

1. Direct Teaching Cost Per Student Credit Hour An individual's direct teaching cost reported within a department was computed by dividing the percentage of time reported in instruction by percent full-time at institution, and multiplying the resulting

percentage by the individual's unrestricted term salary.

$$\text{Total Individual's Direct Teaching Cost} = \frac{\%\ \text{Time in Instruction X Unrestricted Term Salary}}{\%\ \text{Full-Time at Institution}}$$

The cost per class was computed by dividing each individual's total direct teaching cost by his total class credit hour load and multiplying by the credit hour value of the class.

$$\text{Direct Teaching Cost Per Class} = \frac{\text{Total Direct Teaching Cost X Credit Hour Value of Class}}{\text{Total Class Credit Hours}}$$

The cost per student credit was computed by dividing the direct teaching cost per class by the total student credit hours of the class.

$$\text{Direct Teaching Cost Per Student Credit Hour} = \frac{\text{Direct Teaching Cost Per Class}}{\text{Total Student Credit Hours}}$$

The direct teaching costs per student credit hour by academic area and levels were computed by accumulating direct teaching costs of classes within the various academic areas and levels and dividing these costs by the respective accumulated total student credit hours.

2. Other Academic Personnel Cost Per Student Credit Hour An individual's other academic personnel cost was computed using the same methodology as direct teaching costs; that is, the percentage of time reported in each area (Thesis and Dissertation Supervision, Academic Advising, Departmental Research, Academic Administration, Institutional Service, Other Professional Service) was divided by percent full-time at institution and multiplied by unrestricted term salary.

$$\text{Total Individual's (Academic Service) Cost} = \frac{\text{\% Time in Academic Service X Unrestricted Term Salary}}{\text{\% Full-Time at Institution}}$$

Cost per student credit hour for academic advising was computed by dividing the accumulated total advising costs for individuals within a specific institutional department by the total student credit hours within that department.

$$\text{Advising Cost Per Student Credit Hour} = \frac{\text{Total Advising Cost in Institutional Department}}{\text{Total Student Credit Hours in Department}}$$

Costs per student credit hour for thesis and dissertation supervision and departmental research were computed by dividing the accumulated thesis and dissertation supervision and departmental research costs in a specific institutional department by the total graduate student credit hours within that department.

Costs for academic administration, institutional services, and other professional services were accumulated within each department and divided among all classes within the department on the basis of class credit hours and were accumulated by academic areas and levels. Academic administration, institutional services, and other professional services costs per student credit hour then were computed by dividing the accumulated costs by the respective accumulated total student credit hours.

3. Clerical and Supporting Cost Per Student Credit Hour Annual Clerical and Supporting Costs by Department were divided by three to obtain clerical and supporting cost for fall term. Clerical and Supporting Costs per class were allocated to all classes within the department on the basis of class credit hours.

$$\text{Clerical and Supporting Cost Per Class} = \frac{\text{Departmental Clerical and Supporting Costs} \times \text{Credit Hours Value of Class}}{\text{Total Class Credit Hours Within Department}}$$

The clerical and supporting cost per student credit hour was computed by dividing cost for the class by the student credit hours in the class. Costs then were accumulated by academic area and course level.

4. Instructional Equipment Cost Per Student Credit Hour Annual equipment costs by department were divided by three to obtain equipment cost for fall term. Equipment cost was allocated to all classes within a department on the basis of student credit hours.

$$\text{Equipment Cost Per Student Credit Hour} = \frac{\text{Total Departmental Equipment Costs}}{\text{Total Departmental Student Credit Hours}}$$

Equipment costs were accumulated by academic area and level.

5. Instructional Supplies and Other Expenses Per Student Credit Hour Supplies and other expenses were computed in the same way as equipment costs.

Total instructional cost per student credit hour is an accumulation of direct teaching, other academic personnel, clerical and supporting personnel, instructional equipment, and instructional supplies and other expenses costs.